

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	92082	(robot or robotic or machine) same (error or fault or abnormal\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/04 20:46
S2	11313	S1 and (image same (record\$3 or capture or stor\$3 or camera))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/04 23:20
S3	1538	S2 and robot	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/04 20:49
S4	843	S3 and display	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/04 20:49
S5	826	S4 and (period or time or interval)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/04 20:49
S6	666	S5 and ((start\$3 or begin\$4 or terminat\$3 or end or stop) same (record\$3 or stor\$3 or captur\$3 or camera or imag\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/04 20:51
S7	517	S6 and camera	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/04 20:51
S8	232	S7 and (display\$3 with ((image or camera or view) and (signal or data or command)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/04 20:53
S9	142	S8 and (tool or effector or effecter)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/04 21:37

## EAST Search History

S10	33	S8 and (watcher or observer)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/04 21:06
S11	23	("4613942"   "4675502"   "4731860"   "4803735"   "4985846"   "5066902"   "5115403"   "5255199"   "5300868"   "5319443"   "5327058"   "5380978"   "5408409"   "5440650"   "5452370"   "5481298"   "5572102"   "5572103"   "5577130"   "5579444"   "5959425"   "5987591").PN. OR ("6414711").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/04 21:28
S12	461	700/259.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/04 22:37
S13	384	S12 and (camera or imag\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/04 21:47
S14	45	S13 and ((fault or error or abnormal\$3) near (detect\$3 or measur\$5 or analyz\$3 or cause))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/04 22:25
S15	26	("4221997"   "4467436"   "4541060"   "4547858"   "4602345"   "4604561"   "4617502"   "4663726"   "4698777"   "4833624"   "4836742"   "4878002"   "4887222"   "4897586"   "4906907").PN. OR ("5055755"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/04 22:17
S16	26	("4221997"   "4467436"   "4541060"   "4547858"   "4602345"   "4604561"   "4617502"   "4663726"   "4698777"   "4833624"   "4836742"   "4878002"   "4887222"   "4897586"   "4906907").PN. OR ("5055755"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/04 22:17
S17	57	S12 and ((fault or error or abnormal\$3) near (detect\$3 or measur\$5 or analyz\$3 or cause))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/04 22:35

## EAST Search History

S18	12	S17 not S14	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/04 22:25
S19	129	S12 and ((fault or error or abnormal\$3) with (detect\$3 or measur\$5 or analyz\$3 or cause))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/04 22:37
S20	117	S19 not S18	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/04 22:36
S21	1319	700/245.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/04 22:37
S22	300	S21 and ((fault or error or abnormal\$3) with (detect\$3 or measur\$5 or analyz\$3 or cause))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/04 22:37
S23	144	S22 and (camera or ((image or visual) near sensor))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/04 22:38
S24	92082	(robot or robotic or machine) same (error or fault or abnormal\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/05 11:55
S25	9073	S24 and (((image or visual or optic\$2) adj sensor) or camera)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/04 23:21
S26	999	S25 and (watcher or observer or viewer or witness)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/05 11:56
S27	176	S26 and robot	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/04 23:21

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S28	129	S27 and display	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/04 23:21
S29	111	S28 and (velocity or speed or acceleration or torque)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/05 11:55
S30	8998	((robot or robotic or machine) same (error or fault or abnormal\$3)) and (((image or visual or optical) adj sensor) or camera)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/05 11:56
S31	996	S30 and (watcher or observer or viewer or witness)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/05 16:53
S32	810	S31 and display	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/05 16:53
S33	638	S32 and (velocity or speed or acceleration or torque)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/05 16:54
S34	110	S33 and robot	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/05 11:57
S35	140	S30 and ((watcher or observer or viewer or witness) with (robot or robotic or machine))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/05 14:41
S36	74	S34 not S35	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/05 13:13
S37	193	382/153.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/05 14:35

## EAST Search History

S38	65	S37 and ((record\$3or stor\$3 or sav\$3 or display) near (camera or image or optical or visual))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/05 13:39
S39	31	S38 and (fault or error or abnormal\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/05 13:39
S40	34	S38 not S39	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/05 13:28
S41	12	("4821206"   "4825394"   "4887223"   "5109425"   "5495410"   "5579444"   "5737217"   "5748854"   "5751610"   "5769531"   "5793900").PN. OR ("6763283"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/05 13:32
S42	547	382/149.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/05 14:06
S43	327	S42 and (fault or error or abnormal\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/05 14:25
S44	158	S43 and ((record\$3or stor\$3 or sav\$3 or display) near (camera or image or optical or visual))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/05 14:25
S45	169	348/86.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/05 14:19
S46	173	348/95.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/05 14:25

## EAST Search History

S47	1067	345/629.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/05 14:25
S48	333	S47 and (fault or error or abnormal\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/05 14:35
S49	197	S48 and ((record\$3or stor\$3 or sav\$3 or display) near (camera or image or optical or visual))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/05 14:35
S50	95	S49 and (robot or robotic or machine)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/05 14:35
S51	555	382/151.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/05 14:35
S52	352	S51 and (fault or error or abnormal\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/05 16:55
S53	203	S52 and (robot or robotic or machine)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/05 14:35
S54	70	S53 and ((record\$3or stor\$3 or sav\$3 or display) near (camera or image or optical or visual))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/05 16:53
S57	12	S53 and (watcher or observer or viewer or witness)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/05 16:33
S58	3	("6611206").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/05 16:38

## EAST Search History

S59	18	("4524243"   "5544649"   "5617855"   "5802494"   "5905436"   "6002994"   "6049281"   "6174283"   "6198394"   "6270456"   "6416480"   "6475143"   "6524239").PN. OR ("6611206").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/05 16:33
S60	544	73/510.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/05 16:38
S61	11	S60 and (robot or robotic or autonomous)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/05 16:38
S62	1943	S30 and (watcher or observer or viewer or witness or observation)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/05 17:11
S63	1445	S62 and display	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/05 16:53
S64	866	S63 and ((record\$3or stor\$3 or sav\$3 or display) near (camera or image or optical or visual))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/05 16:53
S65	704	S64 and (velocity or speed or acceleration or torque)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/05 16:54
S66	233	S65 and (weld\$3 or spray\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/05 16:54
S67	9	S66 and (fault or error or abnormal\$3).ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/05 17:13

## EAST Search History

S68	5638	S30 and (watcher or observer or observation or monitor\$3) and (camera or ((optical or visual or image) adj sensor))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/05 17:12
S69	643	S68 and (fault or error or abnormal\$3).ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/05 17:13
S70	65	S69 and display.ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/05 17:13
S71	1	("2003/0164762").URPN.	USPAT	OR	ON	2006/03/05 17:21
S72	15	("4608525"   "4815190"   "4835730"   "4901221"   "5268837"   "5475797"   "5515599"   "5653005"   "5768768"   "6104397"   "6124560"   "6321137"   "6371717"   "6434449"   "6462760").PN. OR ("6859683").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/05 17:35
S73	16	("4727471"   "4753569"   "4842475"   "5079043"   "5148591"   "5297238"   "5400638"   "5506682"   "5602967"   "5608847"   "5910719"   "6295708"   "6324444"   "6330492").PN. OR ("6434449").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/05 17:38
S74	16	("4437151"   "4636960"   "4727653"   "4733969"   "4819195"   "4882848"   "4945501"   "5402582"   "5412880"   "5471406"   "5526576"   "5724264").PN. OR ("5953687").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/05 18:56
S75	2	("20040138783").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/05 18:56